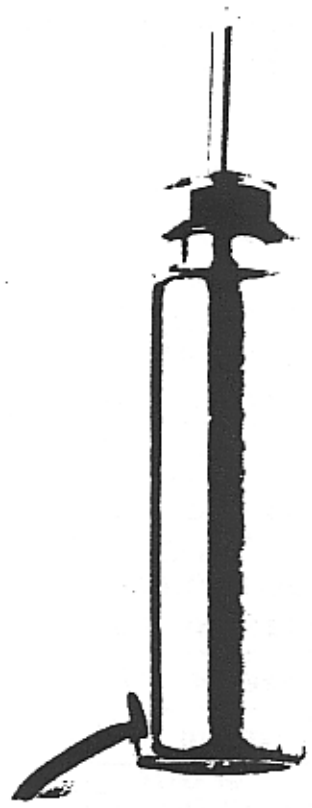
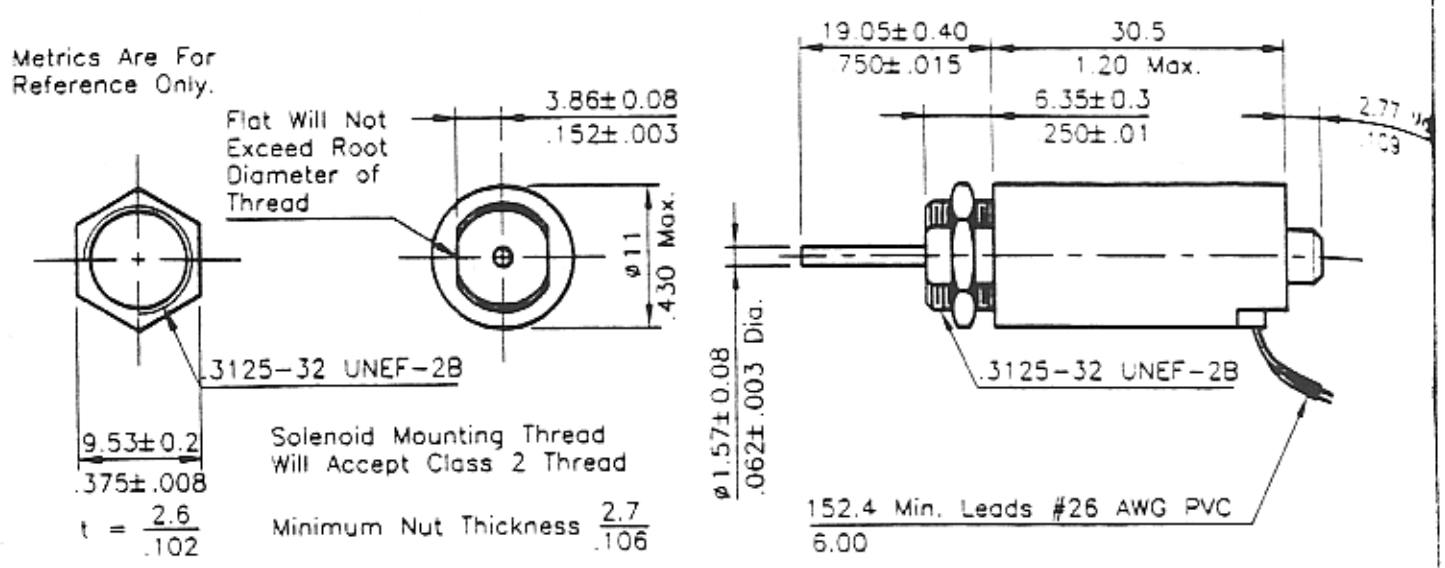
(Pg 1 of 2) (P/N 145306)

SMT-1130S

TUBULAR SOLENOID



OUTLINE DRAWING UNIT = mm / inch



ORDERING INFORMATION

SMT-11 30 S 06 A

- SMT-: SUN MAGNET
- 11: Tubular Solenoid
- 30: Case dia (mm)
- S: Frame length (mm)
- S : Push Type
- 06: Voltage (Duty Cycle 100%)
  - 06 : DC6V
  - 12 : DC12V
  - 24 : DC24V
  - 48 : DC48V
- A: Specification
  - A : SUN MAGNET standard
  - B to Z : Special design

PERFORMANCE (atinitial value)

Item \ Type	SMT-1130S
Insulation grade	Class E(120℃)
Temperature rise	100deg.Max.(at continuous duty.)
Insulation resistance	More than 100MΩ on a DC 500V megger (at normal temperature and normal humidity)
Dielectric strength	AC500V, 50/60Hz, 1 minute (at normal temperature and normal humidity)
Operating temp. range	-20℃ ~ + 40℃
Life expectancy	2,000,000 cycles
Plunger weight	3.2g/0.113oz
Total weight	17g/0.6oz

P/N 145306

SUN MAGNET

TUBULAR SOLENOID

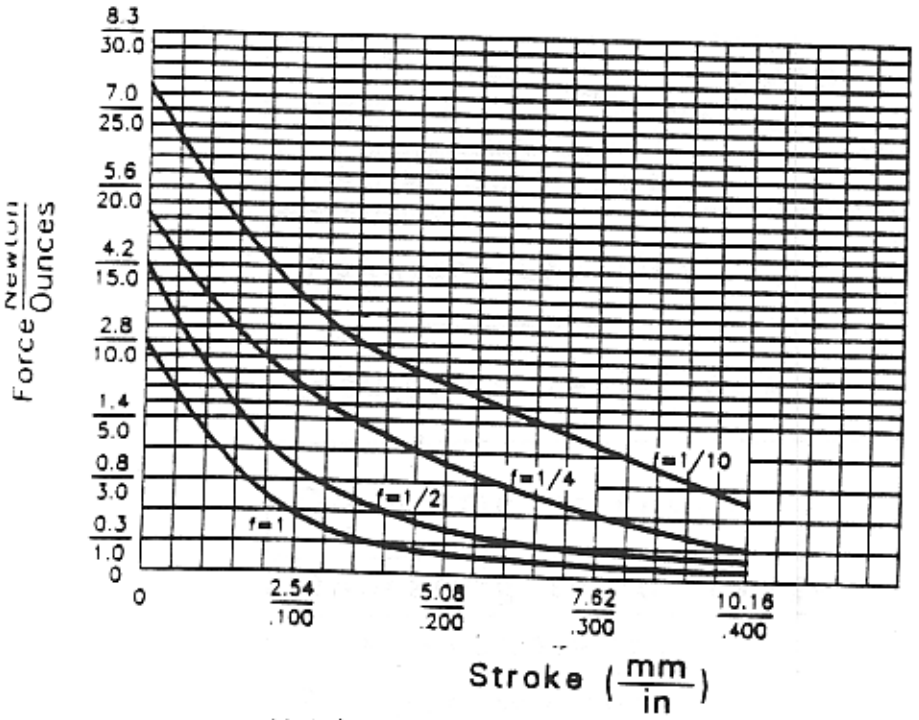
COIL SPECIFICATION (at 20℃)

Coil Sensitivity	Duty Cycle (%)	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω) ± 10%	Power Consumption (W)	Ampere Turns (AT)	Maximum "ON"time (SEC)
SMT-1130S06A	100% Continuous	6	667	9	4.0	abt. 554	∞
	50% or less	8.5	941		8.0	abt. 781	50
	25% or less	12	1333		16.0	abt. 1106	5
	10% or less	19	2105		40.0	abt. 1747	2
SMT-1130S12A	100% Continuous	12	333	36	4.0	abt. 572	∞
	50% or less	17	471		8.0	abt. 810	50
	25% or less	24	667		16.0	abt. 1147	5
	10% or less	37.9	1055		40.0	abt. 1815	2
SMT-1130S24A	100% Continuous	24	167	144	4.0	abt. 564	∞
	50% or less	33.9	236		8.0	abt. 798	50
	25% or less	48	333		16.0	abt. 1126	5
	10% or less	75.9	527		40.0	abt. 1781	2
SMT-1130S48A	100% Continuous	48	83	576	4.0	abt. 567	∞
	50% or less	67.9	118		8.0	abt. 802	50
	25% or less	96	167		16.0	abt. 1134	5
	10% or less	151.8	264		40.0	abt. 1794	2

CHARACTERISTICS (Typical data at 20℃)

f = Duty Cycle

Typical Force Curve, 20° C



Holding Force 10 OZ At 20°C

Typical Speed No Load, 20° C